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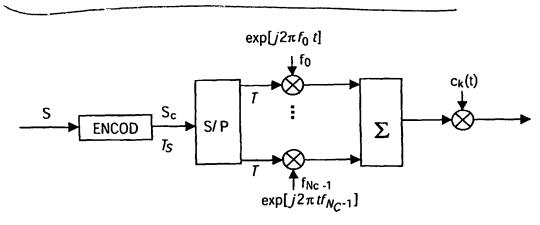
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(54) Title: MT-CDMA USING SPREADING CODES WITH INTERFERENCE-FREE WINDOWS



(57) Abstract: The invention relates to digital transmission. It particularly relates to a method of transmitting data using multi-carrier Code -division Multiple Access (CDMA) for accessing a transmission system. The method comprises a step of modulating the data to be transmitted using Orthogonal Frequency- division Multiplexing (OFDM) for producing OFDM modulated data symbols and a step of spreading the OFDM modulated data symbols with spreading codes including a set of predefined sequences, wherein the sequences are predefined so that they satisfy predetermined auto-correlation and/or' cross-correlation criteria within a region around the zero-time offset of the correlation function, defined as an Interference Free Window (IFW).